



A **thermistor** is a type of resistor whose resistance varies significantly with temperature. They are used widely in temperature sensors & self-regulating heat elements.

Thermistors differ from resistance temperature detectors (RTDs) as the material used in a thermistor is generally a ceramic or polymer, rather than metal in RTD's. The temperature response also differs; RTDs are useful over larger temperature ranges, while thermistors typically achieve a higher precision within a limited temperature range.



Thermistor symbol